

STN Columbus

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:28:24 ON 24 DEC 2003

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

=> s (amidase OR peptidase OR protease OR proteinase) (10a) (Sphingomonas paucimobilis)

- 1 FILE AQUASCI
- 1 FILE BIOSIS
- 1 FILE BIOTECHABS
- 1 FILE BIOTECHDS
- 1 FILE BIOTECHNO
- 1 FILE CAPLUS

25 FILES SEARCHED...

- 1 FILE EMBASE
- 1 FILE ESBIODBASE
- 1 FILE FSTA
- 1 FILE LIFESCI

45 FILES SEARCHED...

- 1 FILE PASCAL
- 1 FILE SCISEARCH

12 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L1 QUE (AMIDASE OR PEPTIDASE OR PROTEASE OR PROTEINASE) (10A) (SPHINGOMONAS PAUCIMOBILIS)

=> s 11 and py<2001

- 0* FILE ADISINSIGHT
- 1 FILE AQUASCI

6 FILES SEARCHED...

- 1 FILE BIOSIS
- 1 FILE BIOTECHABS
- 1 FILE BIOTECHDS
- 1 FILE BIOTECHNO

12 FILES SEARCHED...

- 1 FILE CAPLUS

18 FILES SEARCHED...

- 0* FILE CONFSCI
- 1 FILE EMBASE

32 FILES SEARCHED...

- 1 FILE ESBIODBASE
- 0* FILE FEDRIP
- 0* FILE FOREGE
- 1 FILE FSTA

44 FILES SEARCHED...

- 1 FILE LIFESCI
- 0* FILE MEDICONF

51 FILES SEARCHED...

- 1 FILE PASCAL

52 FILES SEARCHED...

- 0* FILE PHAR
- 1 FILE SCISEARCH

62 FILES SEARCHED...

67 FILES SEARCHED...

STN Columbus

12 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L2 QUE L1 AND PY<2001

=> file hits

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.60

6.81

FILE 'AQUASCI' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT 2003 FAO (On behalf of the ASFA Advisory Board). All rights reserved.

FILE 'BIOSIS' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT (C) 2003 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'BIOTECHNO' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'CAPLUS' ENTERED AT 13:36:30 ON 24 DEC 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EMBASE' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT (C) 2003 Elsevier Inc. All rights reserved.

FILE 'ESBIOBASE' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'FSTA' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT (C) 2003 International Food Information Service

FILE 'LIFESCI' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'PASCAL' ENTERED AT 13:36:30 ON 24 DEC 2003

Any reproduction or dissemination in part or in full,
by means of any process and on any support whatsoever
is prohibited without the prior written agreement of INIST-CNRS.

COPYRIGHT (C) 2003 INIST-CNRS. All rights reserved.

FILE 'SCISEARCH' ENTERED AT 13:36:30 ON 24 DEC 2003

COPYRIGHT 2003 THOMSON ISI

=> s 12

1 FILES SEARCHED...

4 FILES SEARCHED...

7 FILES SEARCHED...

10 FILES SEARCHED...

STN Columbus

L3 11 L2

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 1 DUP REM L3 (10 DUPLICATES REMOVED)
ANSWER '1' FROM FILE AQUASCI

=> d bib abs 1

L4 ANSWER 1 OF 1 AQUASCI COPYRIGHT (C) 2003 FAO (on behalf of
Full Text

the ASFA Advisory Board). All Rights Reserved. on STN DUPLICATE 1

AN 2000:8070 AQUASCI

DN ASFA1 2000

TI Biosynthesis and properties of an extracellular metalloprotease from the
Antarctic marine bacterium *Sphingomonas paucimobilis*

AU Turkiewicz, M.; Gromek, E.; Kalinowska, H.; Zielinska, M.

CS Institute of Technical Biochemistry, Technical University of 7Lodz, 4/10
Stefanowskiego Street, Lodz 90-924, Poland); E-mail: mtur@ck-sg.p.lodz.p

SO Journal of Biotechnology [J. Biotechnol.], (19990430) vol. 70, no. 1-3,
pp. 53-60. Special Issue: Marine Bioprocess Engineering..
ISSN: 0168-1656.

DT Journal

FS ASFA1

LA English

SL English

AB An extracellular **protease** from the marine bacterium ***Sphingomonas paucimobilis***, strain 116, isolated from the stomach of Antarctic krill, *Euphausia superba* Dana, was purified and characterized. The excretion of protease was maximal at temperatures from 5 to 10 degree C, i.e. below the temperature optimum for the strain growth (15 degree C). The highly purified enzyme was a metalloprotease [sensitivity to ethylenediaminetetraacetic acid (EDTA)] and showed maximal activity against proteins at 20-30 degree C and pH 6.5-7.0, and towards N-benzoyl-tyrosine ethyl ester (BzTyrOEt) at pH 8.0. At 0 degree C the enzyme retained as much as 47% of maximal activity hydrolysis of urea denatured haemoglobin (Hb) (at pH 7.0), and at -5 and -10 degree C, 37 and 30%, respectively. The metalloprotease was stable up to 30 degree C for 15 min and up to 20 degree C for 60 min. These results indicate that the proteinase from *S. paucimobilis* 116 is a cold-adapted enzyme.

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
28.29	35.10

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 13:41:34 ON 24 DEC 2003

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s ((amidase OR peptidase OR protease OR proteinase) and (*Sphingomonas paucimobilis*
not 11) and py<2001

STN Columbus

0* FILE ADISINSIGHT
7 FILES SEARCHED...
1 FILE BIOSIS
0* FILE BIOTECHABS

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN STNINDEX

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, EMBAL, EMBASE, ESBIODBASE, FEDRIP, FOMAD, FOREGE, FROSTI, FSTA, GENBANK, HEALSFAE, IFIPAT, IMSPRODUCT, JICST-EPLUS, KOSMET, LIFESCI, MEDICONE, MEDLINE, NIOSHTIC, NTIS, NUTRACEUT, OCEAN, PASCAL, PCTGEN, PHAR, PHARMAML, PHIC, PHIN, PROMT, RDISCLOSURE, SCISEARCH, SYNTHLINE, TOXCENTER, USPATFULL, USPAT2, VETB, VETU, WPIDS, WPINDEX'

AT 13:58:33 ON 24 DEC 2003

CHARGED TO COST=

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
15.40	50.50

FULL ESTIMATED COST

=> s ((amidase OR peptidase OR protease OR proteinase) and (Sphingomonas paucimobilis) not ll) and py<2001

0* FILE ADISINSIGHT
7 FILES SEARCHED...
1 FILE BIOSIS

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN STNINDEX

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, EMBAL, EMBASE, ESBIODBASE, FEDRIP, FOMAD, FOREGE, FROSTI, FSTA, GENBANK, HEALSFAE, IFIPAT, IMSPRODUCT, JICST-EPLUS, KOSMET, LIFESCI, MEDICONE, MEDLINE, NIOSHTIC, NTIS, NUTRACEUT, OCEAN, PASCAL, PCTGEN, PHAR, PHARMAML, PHIC, PHIN, PROMT, RDISCLOSURE, SCISEARCH, SYNTHLINE, TOXCENTER, USPATFULL, USPAT2, VETB, VETU, WPIDS, WPINDEX'

AT 14:02:45 ON 24 DEC 2003

CHARGED TO COST=

0* FILE BIOTECHABS
10 FILES SEARCHED...
1 FILE BIOTECHDS
1 FILE CABA
3 FILE CAPLUS
16 FILES SEARCHED...
0* FILE CONFSCI
20 FILES SEARCHED...
32 FILES SEARCHED...
0* FILE FEDRIP
0* FILE FOREGE
2 FILE GENBANK
43 FILES SEARCHED...
0* FILE MEDICONE
50 FILES SEARCHED...
1 FILE PASCAL
52 FILES SEARCHED...
0* FILE PHAR
62 FILES SEARCHED...
1 FILE USPATFULL
67 FILES SEARCHED...

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN STNINDEX

STN Columbus

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, EMBAL, EMBASE, ESBIODBASE, FEDRIP, FOMAD, FOREGE, FROSTI, FSTA, GENBANK, HEALSAFE, IFIPAT, IMSPRODUCT, JICST-EPLUS, KOSMET, LIFESCI, MEDICONF, MEDLINE, NIOSHTIC, NTIS, NUTRACEUT, OCEAN, PASCAL, PCTGEN, PHAR, PHARMAML, PHIC, PHIN, PROMT, RDISCLOSURE, SCISEARCH, SYNTHLINE, TOXCENTER, USPATFULL, USPAT2, VETB, VETU, WPIDS, WPINDEX'

AT 14:08:34 ON 24 DEC 2003

CHARGED TO COST=

7 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L6 QUE ((AMIDASE OR PEPTIDASE OR PROTEASE OR PROTEINASE) AND (SPHINGOMONAS PAUCIMOBILIS) NOT L1) AND PY<2001

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	24.75	59.85

=> s (amidase OR peptidase OR protease OR proteinase) and (Sphingomonas paucimobilis) not ll

1 FILE BIOSIS
0* FILE BIOTECHABS
10 FILES SEARCHED...

=> s (amidase OR peptidase OR protease OR proteinase) and (Sphingomonas paucimobilis) not ll

1 FILE BIOSIS
0* FILE BIOTECHABS
10 FILES SEARCHED...

=> file BIOTECHDS CABA CAPLUS PASCAL USPATFULL

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	35.20	70.30

FILE 'BIOTECHDS' ENTERED AT 14:19:48 ON 24 DEC 2003

COPYRIGHT (C) 2003 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'CABA' ENTERED AT 14:19:48 ON 24 DEC 2003

COPYRIGHT (C) 2003 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 14:19:48 ON 24 DEC 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'PASCAL' ENTERED AT 14:19:48 ON 24 DEC 2003

Any reproduction or dissemination in part or in full,
by means of any process and on any support whatsoever
is prohibited without the prior written agreement of INIST-CNRS.
COPYRIGHT (C) 2003 INIST-CNRS. All rights reserved.

FILE 'USPATFULL' ENTERED AT 14:19:48 ON 24 DEC 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l6

3 FILES SEARCHED...

4 FILES SEARCHED...

L7 7 L6

=> dup rem 17

PROCESSING COMPLETED FOR L7

L8 6 DUP REM L7 (1 DUPLICATE REMOVED)
 ANSWER '1' FROM FILE BIOTECHDS
 ANSWER '2' FROM FILE CABA
 ANSWERS '3-5' FROM FILE CAPLUS
 ANSWER '6' FROM FILE USPATFULL

=> d bib abs 1-6

L8 ANSWER 1 OF 6 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on

Full Text

STN

AN 2000-12224 BIOTECHDS

TI Biocatalytic preparation of a chiral synthon for a vasopeptidase-inhibitor: enzymatic conversion of N2-(N-phenylmethoxy)carbonyl-L-homocysteinyl-L-lysine (1->1')-disulfide to (4S-(4I,7I, 10aJ)) 1-octahydro-5-oxo-4-(phenylmethoxy)carbonyl amino)-7H-pyrido-(2,1b)(1,3)thiazepine-7-carboxylic acid methyl ester by a novel L-lysine-epsilon-aminotransferase;
 omapatrilat precursor preparation using *Sphingomonas paucimobilis*
 L-lysine-epsilon-aminotransferase and Streptomyces noursei
 glutamate-oxidase

AU Patel R N; Banerjee A; Nanduri V B; Goldberg S L; Johnston R M; Hanson R L; McNamee C G; Brzozowski D B; Tully T P; Ko R Y; LaPorte T L; Cazzulino D L; Swaminathan S; Chen C K; Parker L W; Venit J

CS Bristol-Squibb

LO Department of Microbial Technology and Process Development, Process Research and Development, Bristol-Myers Squibb Pharmaceutical Research Institute, P.O. Box 191, New Brunswick, NJ 08903, USA.

Email: patelr@bms.com

SO Enzyme Microb. Technol.; (2000) 27, 6, 376-89

CODEN: EMTED2 ISSN: 0141-0229

DT Journal

LA English

AN 2000-12224 BIOTECHDS

AB (4S-(4I,7I,10aJ)) 1-Octahydro-5-oxo-4-(phenylmethoxy)carbonyl amino)-7-H-pyrido-(2,1-b)(1,3)thiazepine-7-carboxylic acid methyl ester (BMS-199541-01) is a key chiral intermediate for the preparation of omapatrilat (BMS-186716), a new vasopeptidase-inhibitor. *Sphingomonas paucimobilis* SC 16113, a soil isolate, produces a novel L-lysine-6-aminotransferase (LAT, EC-2.6.1.36) that catalyzes the oxidation of the epsilon-amino group of lysine in the dipeptide dimer N2-(N(phenyl-methoxy)-carbonyl) L-homocysteinyl) L-lysine)1,1-disulfide (BMS-201391-01) to produce BMS-199541-01. The reaction requires alpha-ketoglutaric acid as amino acceptor. Glutamic acid formed during the reaction can be recycled back to alpha-ketoglutaric acid by glutamate-oxidase (GO, EC-1.4.3.1) from Streptomyces noursei SC 6007. Fermentation processes were developed for growth of SC 16113 and SC 6007 for the production of LAT and GO, respectively. The lat gene of SC 16113 was cloned and overexpressed in Escherichia coli TOP 10 F'. A biotransformation process was developed for the conversion of BMS-201391-01 to BMS-199541-01 by using LAT expressed in E. coli. A

STN Columbus

reaction yield of 65-70 M% was obtained. (32 ref)

L8 ANSWER 2 OF 6 CABA COPYRIGHT 2003 CABI on STN

Full Text

AN 92:56751 CABA

DN 19921966547

TI Extracellular **protease**-producing psychrotrophic bacteria from high alpine habitats

AU Schinner, F.; Margesin, R.; Pupel, T.

CS Institute of Microbiology, University of Innsbruck, 6020, Austria.

SO Arctic and Alpine Research, (1991) Vol. 24, No. 1, pp. 88-92. 24 ref.
ISSN: 0004-0851

DT Journal

LA English

ED Entered STN: 19941101

Last Updated on STN: 19941101

AB Four hundred and thirty psychrotrophic strains of microorganisms were isolated from high alpine environments of the Western and Eastern Alps in Europe. Of the isolates, 77% were bacteria, 5% among them were actinomycetes. 20% of the isolates were yeasts, and 3% were hyphomycetes. All bacterial strains, with the exception of actinomycetes, were tested for their optimum growth temperature and screened for the production of extracellular **proteases**. The optimum temperature for growth of the majority of the bacterial strains ranged from 10 to 25[deg]C. Almost half of the bacterial strains excreted **protease** into the medium at a cultivation temperature of 10[deg]C. The major part of cell-free **protease**-containing culture filtrates showed a maximum caseinolytic activity in pH 7 and 30[deg]C. Sensitivity to EDTA indicates that most bacteria produced metalloproteases. Fifty-four producers of **protease** were selected for taxonomic characterization. The genus *Pseudomonas*, especially the species *P. fluorescens* and *P. paucimobilis*, were predominant.

L8 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1

Full Text

AN 1998:797749 CAPLUS

DN 130:152586

TI Microbial synthesis of chiral intermediates for β -3-receptor agonists

AU Patel, Ramesh N.; Banerjee, Amit; Chu, Linda; Brozowski, David; Nanduri, Venkata; Szarka, Laszlo J.

CS Department of Microbial Technology, Bristol-Myers Squibb Pharmaceutical Research Institute, New Brunswick, NJ, 08903, USA

SO Journal of the American Oil Chemists' Society (1998), 75(11), 1473-1482
CODEN: JAOCA7; ISSN: 0003-021X

PB AOCs Press

DT Journal

LA English

OS CASREACT 130:152586

AB Chiral intermediates were prep'd. by biocatalytic processes for the chem. synthesis of β -3-receptor agonists. These include: (i) the microbial redn. of 4-benzyloxy-3-methanesulfonylamino-2'-bromoacetophenone to the corresponding (R)-alc. by *Sphingomonas paucimobilis* SC 16113. In the biotransformation process, a reaction yield of >85% and an optical purity of 99.5% were obtained for the desired (R)-alc.; (ii) the enzymic resoln. of racemic α -Me phenylalanine amide and α -methyl-4-hydroxyphenylalanine amide by **amidase** from *Mycobacterium neoaurum* ATCC 25795 to prep. the corresponding (S)-amino acids. Reaction yields of 49.9 and 49 M% (theor. max. yield 50 M%) and optical purities of 99 and 94% were obtained for the resp. desired (S)-amino acids; (iii) the asym.

STN Columbus

hydrolysis of methyl-(4-methoxyphenyl)-propanedioic acid Et diester to the corresponding (S)-monoester by pig liver esterase. A reaction yield of 96 M% and an optical purity of 96% were obtained for the (S)-monoester when reactions were carried out in a biphasic system contg. 10% ethanol at 10°.

RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 2001:30729 CAPLUS

DN 134:143696

TI Biosynthesis and properties of an extracellular metalloprotease from the Antarctic marine bacterium *Sphingomonas paucimobilis*

AU Turkiewicz, Marianna; Gromek, Ewa; Kalinowska, Halina; Zielinska, Maria
CS Institute of Technical Biochemistry, Technical University of Lodz, Lodz, 90-924, Pol.

SO Progress in Industrial Microbiology (1999), 35(Marine Bioprocess Engineering), 53-60

CODEN: PIMRAS; ISSN: 0079-6352

PB Elsevier Science B.V.

DT Journal

LA English

AB An extracellular **protease** from *S. paucimobilis* strain 116, isolated from the stomach of Antarctic krill, *Euphausia superba* Dana, was purified and characterized. The excretion of the **protease** was maximal at temps. of 5-10°, i.e. below the temp. optimum for the strain growth (15°). The highly purified enzyme was a metalloprotease [sensitivity to EDTA] and showed maximal activity against proteins at 20-30° and pH 6.5-7.0, and toward N-benzoyltyrosine Et ester (BzTyrOEt) at pH 8.0. At 0°, the enzyme retained as much as 47% of its maximal activity in the hydrolysis of urea-denatured Hb (at pH 7.0), and at -5 and -10°, 37 and 30%, resp. The metalloprotease was stable up to 30° for 15 min and up to 20° for 60 min. These results indicate that the **protease** from *S. paucimobilis* 116 is a cold-adapted enzyme.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1997:51538 CAPLUS

DN 126:79734

TI Use of mannanases as slime control agents

IN Van Pee, Kristine Laura Ignatius; Van Speybroeck, Michel M. P.; Van Poele, Jozef

PA W. R. Grace and Co.-Conn., USA

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9636569	A1	19961121	WO 1996-EP2100	19960517 <--
	W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,			

STN Columbus

IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN

TW 474900	B	20020201	TW 1996-85105263	19960502
ZA 9603900	A	19970109	ZA 1996-3900	19960516 <--
CA 2215635	AA	19961121	CA 1996-2215635	19960517 <--
AU 9658976	A1	19961129	AU 1996-58976	19960517 <--
AU 696190	B2	19980903		
EP 871596	A1	19981021	EP 1996-916095	19960517 <--
EP 871596	B1	20020828		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE, IE, FI				
BR 9609113	A	19990202	BR 1996-9113	19960517 <--
JP 11505565	T2	19990521	JP 1996-534558	19960517 <--
AT 222883	E	20020915	AT 1996-916095	19960517
ES 2183955	T3	20030401	ES 1996-916095	19960517
NO 9705188	A	19980114	NO 1997-5188	19971112 <--
PRAI EP 1995-250120	A	19950519		
WO 1996-EP2100	W	19960517		

AB Compns. for the prevention and/or removal of biofilm on surfaces comprise ³1 mannanases, optionally in combination with ³1 enzymes selected from carbohydrases, **proteases**, lipases, glycoproteases. The use of the compns. for the prevention and/or the removal of biofilm from surfaces is also described.

L8 ANSWER 6 OF 6 USPATFULL on STN

Full Text

AN 2003:234769 USPATFULL

TI Treating compositions comprising polysaccharides

IN Barnabas, Mary Vijayarani, West Chester, OH, United States
Smets, Johan, Lubeek, BELGIUM
Barnabas, Freddy Arthur, West Chester, OH, United States
Showell, Michael Stanford, Cincinnati, OH, United States

PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PI US 6613733 B1 20030902
WO 2000065014 20001102 <--

AI US 2001-937261 20010924 (9)
WO 2000-US11016 20000425

PRAI US 1999-131287P 19990427 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Kopec, Mark; Assistant Examiner: Mruk, Brian P.

LREP Cook, C. Brant, Zerby, Kim W., Miller, Steven W.

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 3059

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to treating compositions, preferably laundry and/or color care compositions comprising polysaccharides, and methods of using such compositions to provide improved color appearance and/or pill prevention and/or abrasion resistance and/or wrinkle resistance and/or shrinkage resistance benefits, while at the same time providing improved cleaning benefits, over laundry and/or fabric and/or color care compositions without such polysaccharides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRYTOTAL
SESSION

STN Columbus

FULL ESTIMATED COST	42.79	113.09
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

STN INTERNATIONAL LOGOFF AT 14:26:08 ON 24 DEC 2003